

ABSTRACT

A device for improving fixation and sealing of a prosthetic component when implanted in a body lumen during laparoscopic, endovascular, or open surgical procedures. In one embodiment, the prosthetic component comprises a graft having a hem defining an interior space. Enclosed within the space is an absorbent cord. The cord expands as it comes in contact with body fluids. The expansion due to the absorbed fluids forms a seal closely following the irregular shape of the lumen and improves fixation at the junction of the body lumen and the prosthetic component. Hem and cord arrangement also used to improve fixation of one prosthetic component to another in a modular graft. In another embodiment, an attachment tab has one part affixed to the outer periphery of the graft and another part attached to an area adjacent to the body lumen upon implantation, to resist forces tending to move the implant.